

Title (en)

BUILT-IN ANTENNA FOR MOBILE COMMUNICATION DEVICE

Title (de)

FUNKGERÄT MIT EINGEBAUTER ANTENNE

Title (fr)

ANTENNE INTEGREE POUR DISPOSITIF MOBILE DE TELECOMMUNICATIONS

Publication

EP 1476918 B1 20050615 (EN)

Application

EP 03704643 A 20030218

Priority

- EP 0301611 W 20030218
- US 8101302 A 20020221

Abstract (en)

[origin: US2003157903A1] An in-built antenna is provided for a mobile phone or other communication device having a main printed circuit board contained within a case, wherein components for transmitting and receiving radio signals are mounted on the main circuit board. An antenna pattern or radiator is etched on the printed circuit board surface mounting the components, in electrical connection with the components, using the same process employed to form the components and connections between them. A ground plane is mounted to the opposing surface of the main printed circuit board, in facing, spaced-apart parallel relationship with the antenna pattern and in spaced-apart parallel relationship with the main printed circuit board.

IPC 1-7

H01Q 1/38; **H01Q 1/24**

IPC 8 full level

H01Q 13/08 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/38** (2006.01); **H01Q 9/40** (2006.01)

CPC (source: EP US)

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Citation (examination)

US 2001043159 A1 20011122 - MASUDA YOSHIYUKI [JP], et al

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DOCDB simple family (publication)

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